

# **DART SERVICE INSTRUCTION**

**TO AMEND IIN-D350-822 REV. I OR LATER APPROVED REVISION  
AND ICA-D350-822 REV. 7 OR LATER APPROVED REVISION**

REF. TCCA STC: SH14-14  
REF. ANAC STC: 2014S07-11  
REF. FAA STC: SR03538NY  
REF. JCAB STC: STC-371-OSA/STC-372-OSA  
REF. EASA STC: 10056574

## **1.0 INTRODUCTION**

It has come to Dart's attention that some customers are experiencing difficulty transitioning the AS350B3e (Arriel 2D engine only) Vehicle and Engine Management Display (VEMD) to Antisand Filter Mounted (ASF-M) configuration for the PA100 PUREair System installation as required per Section 3.1 of IIN-D350-822 Rev. I.

## **2.0 PURPOSE**

The purpose of this Dart Service Instruction (DSI) is to provide additional details to assist in transitioning the AS350B3e VEMD to ASF-M configuration as required per Section 3.1 of IIN-D350-822 Rev. I.

## **3.0 PROCEDURE**

In order to take advantage of the preprogrammed AS350B3e VEMD ASF-M configuration, the VEMD requires ground connections to be installed per DART drawing D350-822-901 Rev. B or later approved revision. Once the connectors are installed, the VEMD can be powered and the installer can enter the VEMD Maintenance Page EECU Data screen to confirm the installation. The following describes this procedure in detail.

3.1 Obtain access to the aircraft VEMD and its connectors (reference aircraft Maintenance Manual for instructions).



**FIGURE 1: VEMD as viewed through the front windshield of AS350B3e aircraft**

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

**APPROVED**  
BY:   
D. SHEPHERD (DE # 02)  
DATE: 19.03.14  
CERT. NO.: SH14-14  
ISSUE NO.: 2

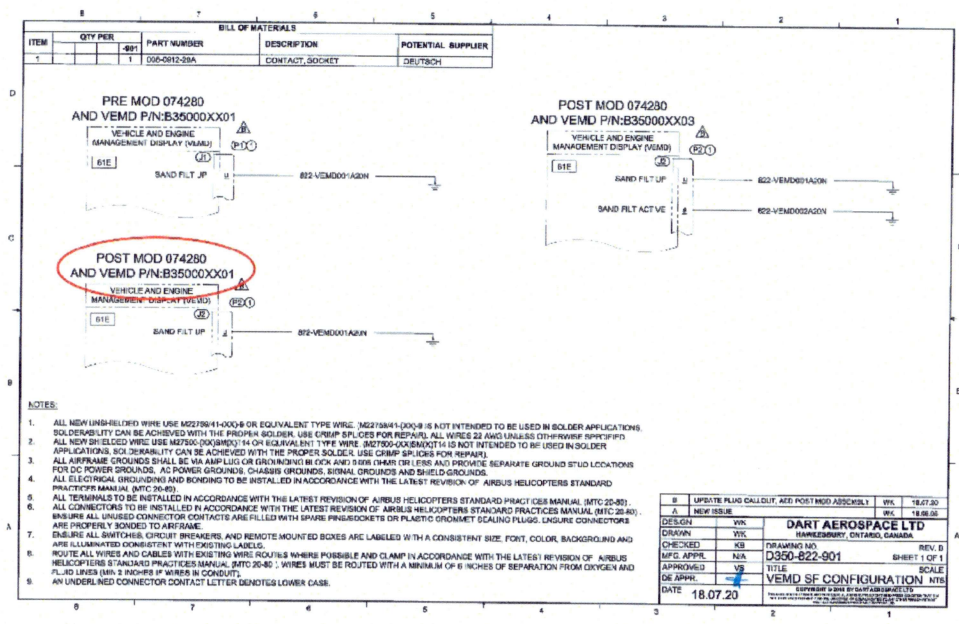
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B	INSERT STEP 3.4 ; REF CAR19-300	PM	19.03.14
A	NEW ISSUE	WK	18.10.18
REV.	DESCRIPTION	BY	DATE
DESIGN	WK	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
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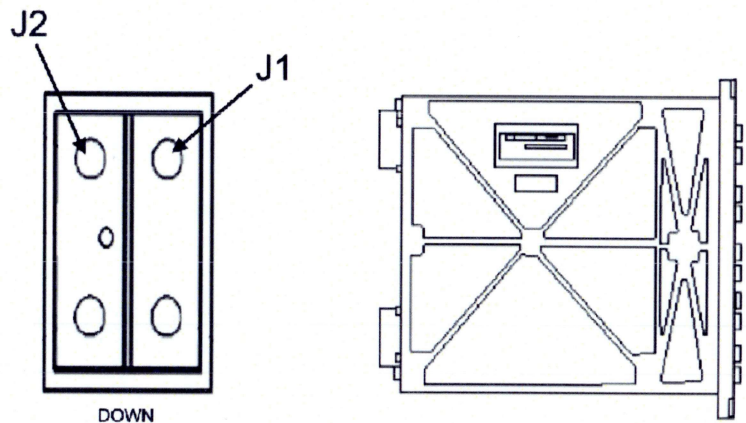
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3.5 Using the VEMD part number and MOD status, determine the applicable wiring configuration from DART drawing D350-822-901 Rev. B or later approved revision.



**FIGURE 4: DART drawing D350-822-901**  
(example configuration for B35000XX01 post MOD 074280 shown)

3.6 Locate the applicable VEMD jack and plug per the configurations shown in drawing D350-822-901 Rev. B or later approved revision.



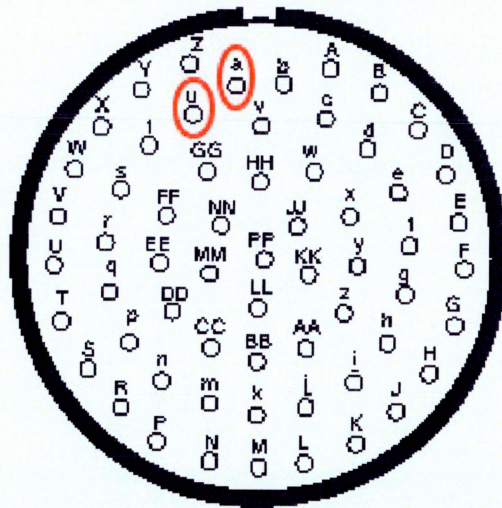
**FIGURE 5: VEMD Mechanical Interface**

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3.7 Locate the applicable pin location on the Jack, per DART drawing D350-822-901 Rev. B or later approved revision, and install the applicable wire into the corresponding pin location on the Plug.



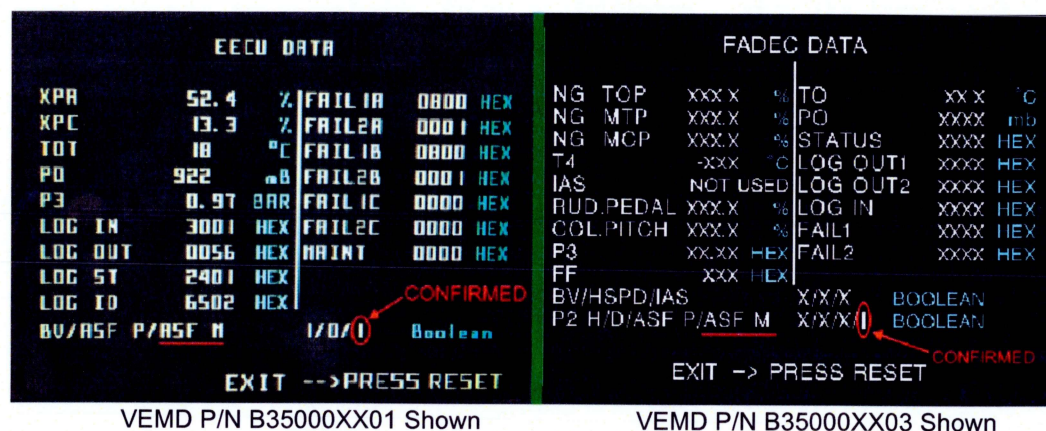
**FIGURE 6: Jack Pin Locations**

(Note: pin "u" & "a" locations may vary depending on aircraft configuration)

3.8 Once the wiring has been installed per DART drawing D350-822-901 Rev. B or later approved revision, check all ground wires to confirm 0.006 OHMS or less resistance.

3.9 Reattach plug to appropriate VEMD jack and reinstall the VEMD into the aircraft (reference aircraft Maintenance Manual for instructions).

3.10 Power the VEMD and enter the VEMD maintenance page EECU data screen (reference aircraft Maintenance Manual for instructions). Confirm the ASF-M value shows "1" indicating the correct installation.



VEMD P/N B35000XX01 Shown

VEMD P/N B35000XX03 Shown

**FIGURE 7: VEMD EECU Data Screen**

(Note: The Data Screen may vary depending on aircraft configuration)

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3.11 Complete the installation of the D350-822-011 PA100 PUREair System per DART installation instructions IIN-D350-822 Rev. I, or later approved revision.

4.0 WEIGHT AND BALANCE

This DSI has no effect on Weight & Balance.

5.0 PARTS LIST

There are no additional parts associated with this DSI.

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